

Table 26. Headcount and FTEs of R&D personnel at higher education institutions in the standard form survey population, by personnel function and sex: FYs 2020–24

(Number)

Personnel functions	2020		2021		2022		2023		2024	
	Headcount	FTEs								
All personnel functions	962,282	450,766	969,159	469,576	1,032,569	497,012	1,058,388	513,860	1,086,850	525,960
Female	NA	na	NA	na	516,401	na	533,416	na	549,658	na
Male	NA	na	NA	na	491,842	na	501,300	na	509,973	na
Sex unknown or not stated	NA	na	NA	na	24,326	na	23,672	na	27,219	na
Researchers	343,757	176,546	357,455	187,661	367,976	195,597	378,402	198,745	394,534	209,336
Female	NA	na	NA	na	153,571	na	161,976	na	171,237	na
Male	NA	na	NA	na	206,128	na	209,064	na	214,779	na
Sex unknown or not stated	NA	na	NA	na	8,277	na	7,362	na	8,518	na
R&D technicians	356,105	176,620	370,077	182,317	389,693	180,377	402,286	193,848	414,120	204,708
Female	NA	na	NA	na	200,004	na	207,195	na	214,737	na
Male	NA	na	NA	na	181,295	na	187,551	na	190,659	na
Sex unknown or not stated	NA	na	NA	na	8,394	na	7,540	na	8,724	na
R&D support staff	262,420	97,600	241,627	99,599	274,900	121,038	277,700	121,267	278,196	111,916
Female	NA	na	NA	na	162,826	na	164,245	na	163,684	na
Male	NA	na	NA	na	104,419	na	104,685	na	104,535	na
Sex unknown or not stated	NA	na	NA	na	7,655	na	8,770	na	9,977	na

NA = not available; headcount demographic subfields are not available for FYs 2020 and 2021. na = not applicable; FTEs by sex are not collected.

FTE = full-time equivalent.

Note(s):

FTE R&D personnel are calculated as the total working effort spent on R&D during a specific period divided by the total effort representing a full-time schedule within the same period. This table includes only institutions reporting \$1 million or more in total R&D expenditures in FY 2023. Institutions reporting less than \$1 million in total R&D expenditures in FY 2023 completed a shorter version of the survey form in FY 2024 that did not include this question.

Source(s):

National Center for Science and Engineering Statistics, Higher Education Research and Development Survey.